

Human NGF-beta (glycosylated, CHO)

Synonyms: Beta Polypeptide, NGF, NGFB, HSN5, Beta-NGF, MGC161426, MGC161428.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	1745.954.005		
20 µg	1745.954.020		

Please enquire for bulk quantities and other vial sizes

Description

Nerve Growth Factor-beta Human Recombinant produced in CHO is a noncovalently disulfide linked homodimer, glycosylated, polypeptide chain (Ser122-Arg239) containing 2 identical 118 amino acids and having a molecular mass of 26.5 kDa.

- **Biological Activity** ≥ 1 x 10⁶ units/mg
- **Source** CHO
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from a 0.2µm filtered solution in 20mM PB and 250mM NaCl, pH 7.0*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀, calculated by its ability to stimulate chick E9 DRG neurite outgrowth was found to be < 1.0 ng/ml, corresponding to a specific activity of > 1 x 10⁶ units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Nerve Growth Factor b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Nerve Growth Factor-beta should be stored at 4°C between 2-7 days and for future use below -18°C. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please avoid repeated freeze-thaw cycles.

Amino Acid Sequence

Was analyzed by Massspectrometry

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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